



A.D. 1860, 11th Mar. N^o 1160.

S P E C I F I C A T I O N

OF

JOHN MACINTOSH.

ARTIFICIAL GUMS; SETTING AND
STOPPING TEETH.

LONDON:

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1860.



A.D. 1860, 11th MAY. N^o 1160.

Artificial Gums; Setting and Stopping Teeth.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by John Macintosh at the Office of the Commissioners of Patents, with his Petition, on the 11th May 1860.

I, JOHN MACINTOSH, of North Bank, Regent's Park, in the County of Middlesex, do hereby declare the nature of the said Invention for "IMPROVEMENTS IN ARTIFICIAL GUMS AND SETTING AND STOPPING TEETH," to be as follows:—

This Invention relates, firstly, to the manufacture of artificial gums. Hitherto such gums have been made from metal, bone, india-rubber, or gutta percha, but the two latter are absorbants, and the former leave an unpleasant taste, and are very objectionable to tender gums. To obviate these defects I apply a thick external coating of collodion, coloured to look like the natural gum, and by which means I am enabled to make the basis of the gum of glue, gellatine, wood, papier maché, wire, ribbon, or any other suitable material.

Secondly, to the fixing of artificial teeth. For this purpose I make as large a channel through the tooth as is consistent with strength, and making the top and bottom of the orifice wider than its centre, by which means I am enabled to force a larger quantity of collodium (the same colour as the tooth) into the orifice, in order to fix it securely to the base. In some cases I use wire surrounded with collodium in attaching teeth to the base or gums; I also undercut the tooth in order that a portion of the artificial gum may be forced

Macintosh's Improvements in Artificial Gums, and Setting and Stopping Teeth.

into the undercut, which adds to the security of the tooth, and prevents the external coating from separating from the neck of the tooth.

In stopping teeth I use collodium, or a compound of collodium, and press it into the decayed part of the tooth while in a hot state. The stopping may be made the same colour as the tooth. 5

When it is desired to make artificial gums from dental rubber, I enclose the models with the dental rubber in a metallic vessel filled with water, and having a cover which is securely fastened; the whole is subjected to a temperature of about 315° Fahrenheit. To the cover is attached a stop-cock and thermometer for indicating the temperature. The heat may be applied 10 by any ordinary means.

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Printers to the Queen's most Excellent Majesty. 1860.